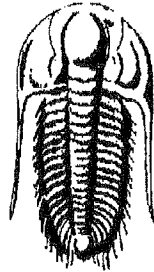


15-039-21025

24-1s-27w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

KCC
APR 03 2008
CONFIDENTIAL

ATTN: Paul Gunzelman

24 1 27 Decatur KS

Wilpo Unit #1-24

Start Date: 2007.12.06 @ 19:13:53

End Date: 2007.12.07 @ 02:46:32

Job Ticket #: 31457 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2007.12.17 @ 10:50:53 Page 1
RECEIVED
KANSAS CORPORATION COMMISSION

APR 04 2008

CONSERVATION DIVISION
WICHITA, KS

Murfin Drilling Co Inc

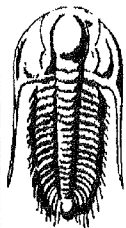
Wilpo Unit #1-24

24 1 27 Decatur KS

DST # 1

Toronto - Lans. "D"

2007.12.06



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Wilpo Unit #1-24

24 1 27 Decatur KS

Job Ticket: 31457

DST#: 1

Test Start: 2007.12.06 @ 19:13:53

GENERAL INFORMATION:

Formation: **Toronto - Lans. "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:03

Time Test Ended: 02:46:32

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 20

Interval: **3160.00 ft (KB) To 3256.00 ft (KB) (TVD)**

Total Depth: 3256.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2426.00 ft (KB)

2421.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Inside

Press@RunDepth: 114.78 psig @ 3161.00 ft (KB)

Start Date: 2007.12.06

End Date:

2007.12.07

Capacity: 7000.00 psig

Last Calib.: 2007.12.07

Start Time: 19:13:55

End Time:

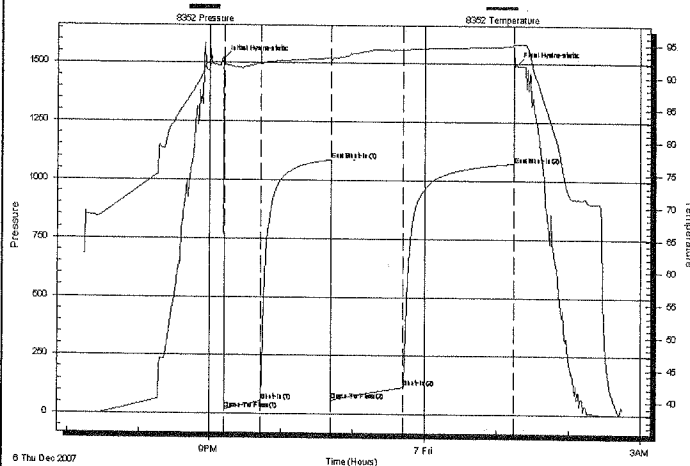
02:46:33

Time On Btm: 2007.12.06 @ 21:11:53

Time Off Btm: 2007.12.07 @ 01:15:13

TEST COMMENT: IF Fairly weak blow built to 4 " in bucket
ISI Bled off No blow back
FF Weak blow built to 4.75 " in bucket
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

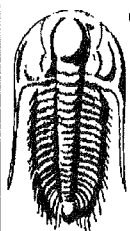
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1515.76	92.30	Initial Hydro-static
1	15.38	91.73	Open To Flow (1)
31	53.68	92.02	Shut-In(1)
90	1087.22	92.89	End Shut-In(1)
91	57.06	92.39	Open To Flow (2)
151	114.78	94.19	Shut-In(2)
242	1071.58	94.81	End Shut-In(2)
244	1492.46	95.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	DM	0.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Wilpo Unit #1-24

24 1 27 Decatur KS

Job Ticket: 31457

DST#: 1

Test Start: 2007.12.06 @ 19:13:53

Tool Information

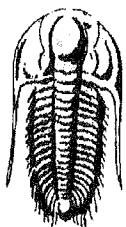
Drill Pipe:	Length: 2748.00 ft	Diameter: 3.80 inches	Volume: 38.55 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 423.00 ft	Diameter: 2.25 inches	Volume: 2.08 bbl	Weight to Pull Loose:	58000.00 lb
		Total Volume:	40.63 bbl	Tool Chased	10.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3160.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	96.00 ft				
Tool Length:	119.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3142.00	
Hydraulic tool	5.00			3147.00	
Safety Joint	3.00			3150.00	
Packer	5.00			3155.00	23.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Recorder	0.00	8352	Inside	3161.00	
Perforations	29.00			3190.00	
Blank Spacing	63.00			3253.00	
Recorder	0.00	7457	Inside	3253.00	
Bullnose	3.00			3256.00	96.00 Bottom Packers & Anchor

Total Tool Length: 119.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Wilpo Unit #1-24

250 N Water Ste 300
Wichita KS 67202

24 1 27 Decatur KS

Job Ticket: 31457

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2007.12.06 @ 19:13:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 6.39 in³

Resistivity: ohm.m

Salinity: 700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	DM	0.934

Total Length: 190.00 ft

Total Volume: 0.934 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

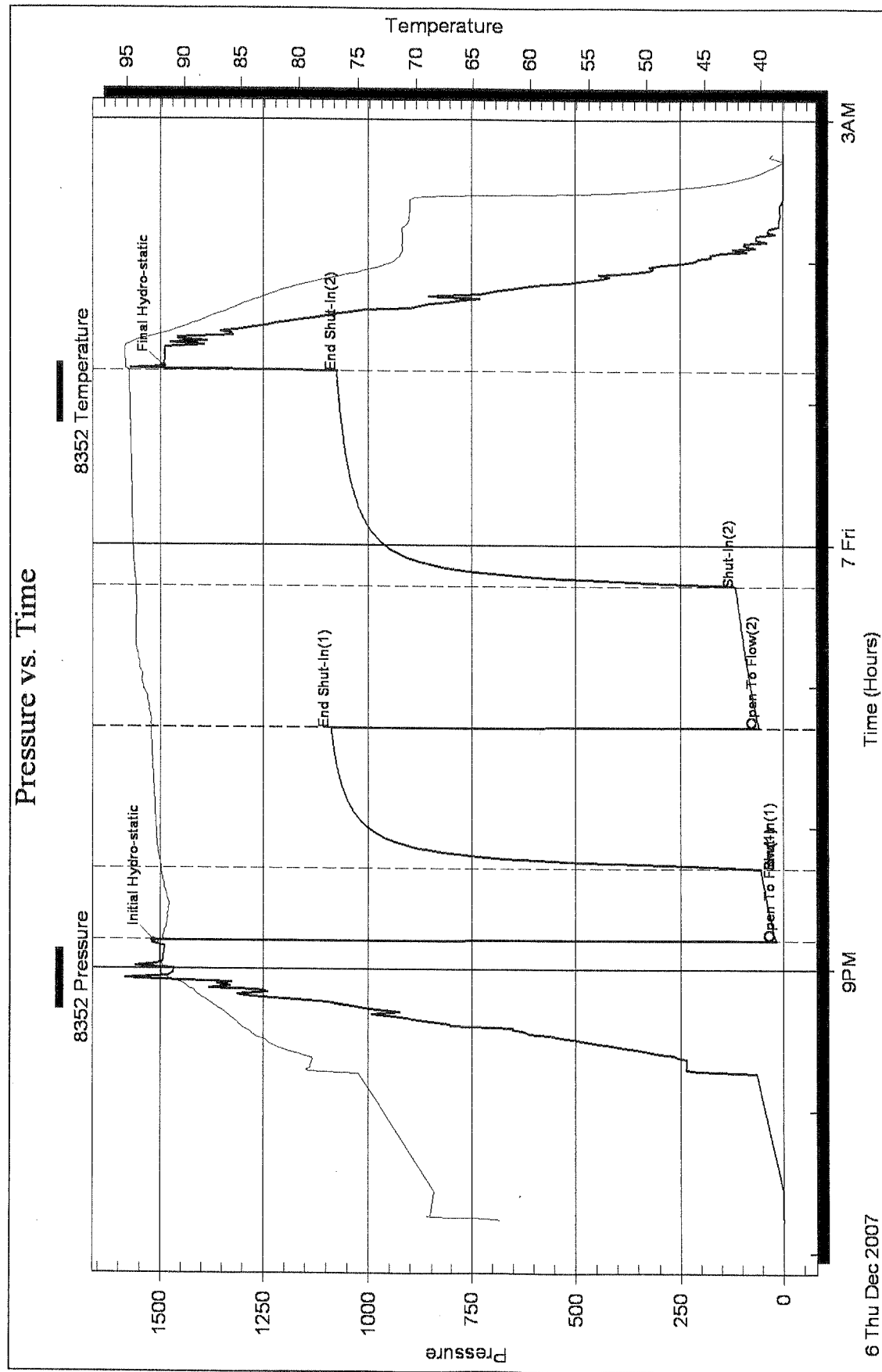
Serial #:

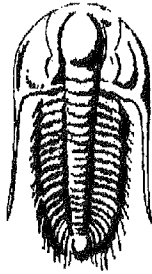
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

24 1 27 Decatur KS

Wilpo Unit #1-24

Start Date: 2007.12.07 @ 14:53:52

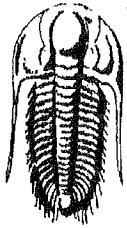
End Date: 2007.12.07 @ 20:52:12

Job Ticket #: 31458 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Wilpo Unit #1-24

24 1 27 Decatur KS

Job Ticket: 31458

DST#: 2

Test Start: 2007.12.07 @ 14:53:52

GENERAL INFORMATION:

Formation: **KC "J & K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:42

Time Test Ended: 20:52:12

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 20

Interval: **3333.00 ft (KB) To 3398.00 ft (KB) (TVD)**

Total Depth: 3398.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2426.00 ft (KB)

2421.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Inside

Press@RunDepth: 20.86 psig @ 3334.00 ft (KB)

Start Date: 2007.12.07

End Date:

2007.12.07

Capacity: 7000.00 psig

Last Calib.: 2007.12.07

Start Time: 14:53:54

End Time:

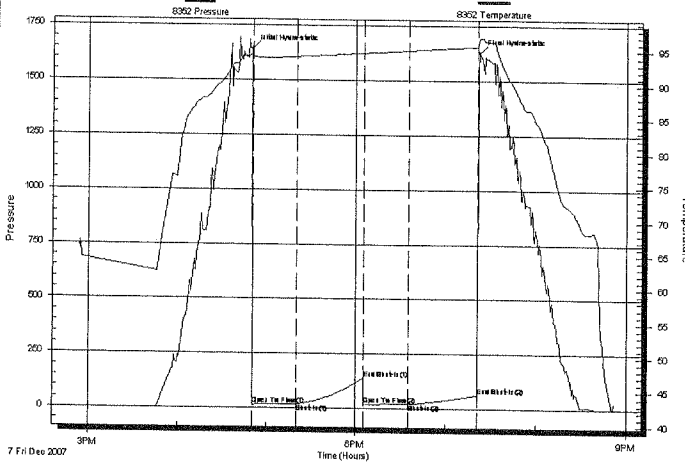
20:52:12

Time On Btm: 2007.12.07 @ 16:50:22

Time Off Btm: 2007.12.07 @ 19:22:22

TEST COMMENT: IF Very weak surface blow died in 7 min
ISI No blow back
FF No blow
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

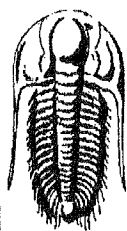
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.10	94.35	Initial Hydro-static
1	14.57	93.96	Open To Flow (1)
31	18.32	94.13	Shut-In (1)
75	136.30	94.68	End Shut-In (1)
76	19.32	94.66	Open To Flow (2)
106	20.86	95.06	Shut-In (2)
151	63.72	95.68	End Shut-In (2)
152	1630.75	96.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	DM	0.03

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Wilpo Unit #1-24

24 1 27 Decatur KS

Job Ticket: 31458

DST#: 2

Test Start: 2007.12.07 @ 14:53:52

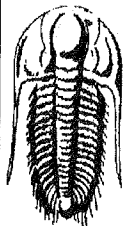
Tool Information

Drill Pipe:	Length: 2901.00 ft	Diameter: 3.80 inches	Volume: 40.69 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 423.00 ft	Diameter: 2.25 inches	Volume: 2.08 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	42.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3333.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Safety Joint	3.00			3323.00	
Packer	5.00			3328.00	23.00 Bottom Of Top Packer
Packer	5.00			3333.00	
Stubb	1.00			3334.00	
Recorder	0.00	8352	Inside	3334.00	
Perforations	28.00			3362.00	
Blank Spacing	33.00			3395.00	
Recorder	0.00	7457	Inside	3395.00	
Bullnose	3.00			3398.00	65.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Wilpo Unit #1-24

24 1 27 Decatur KS

Job Ticket: 31458

DST#: 2

Test Start: 2007.12.07 @ 14:53:52

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	DM	0.030

Total Length:

6.00 ft

Total Volume:

0.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

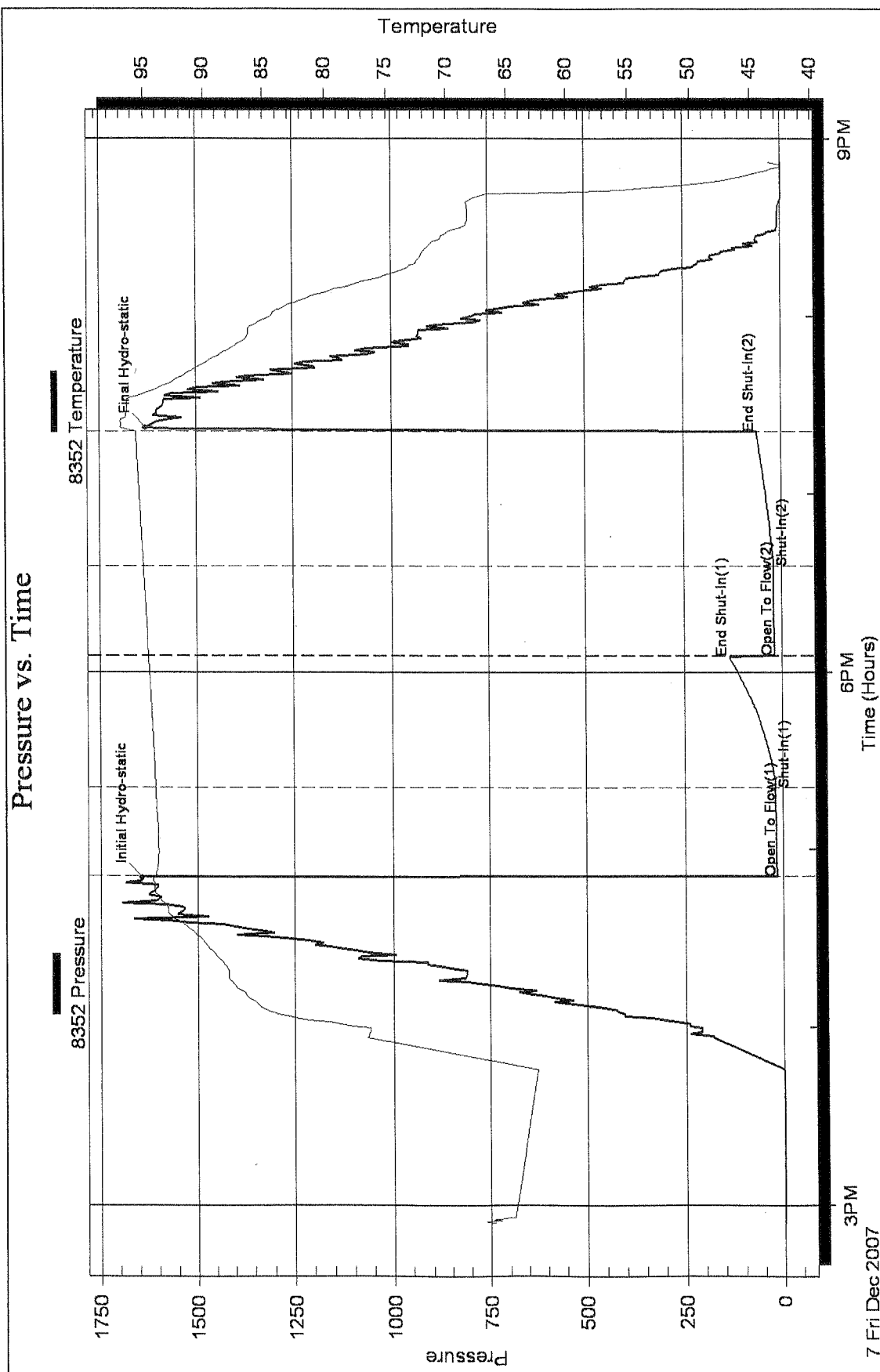
Inside

Murfin Drilling Co Inc

24 1 27 Decatur KS

DST Test Number: 2

Pressure vs. Time



Ref. No: 31458

Trilobite Testing, Inc